

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P257315

Luminaire Tested: **D3X-WD-26L935-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-26L935-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2240.8 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

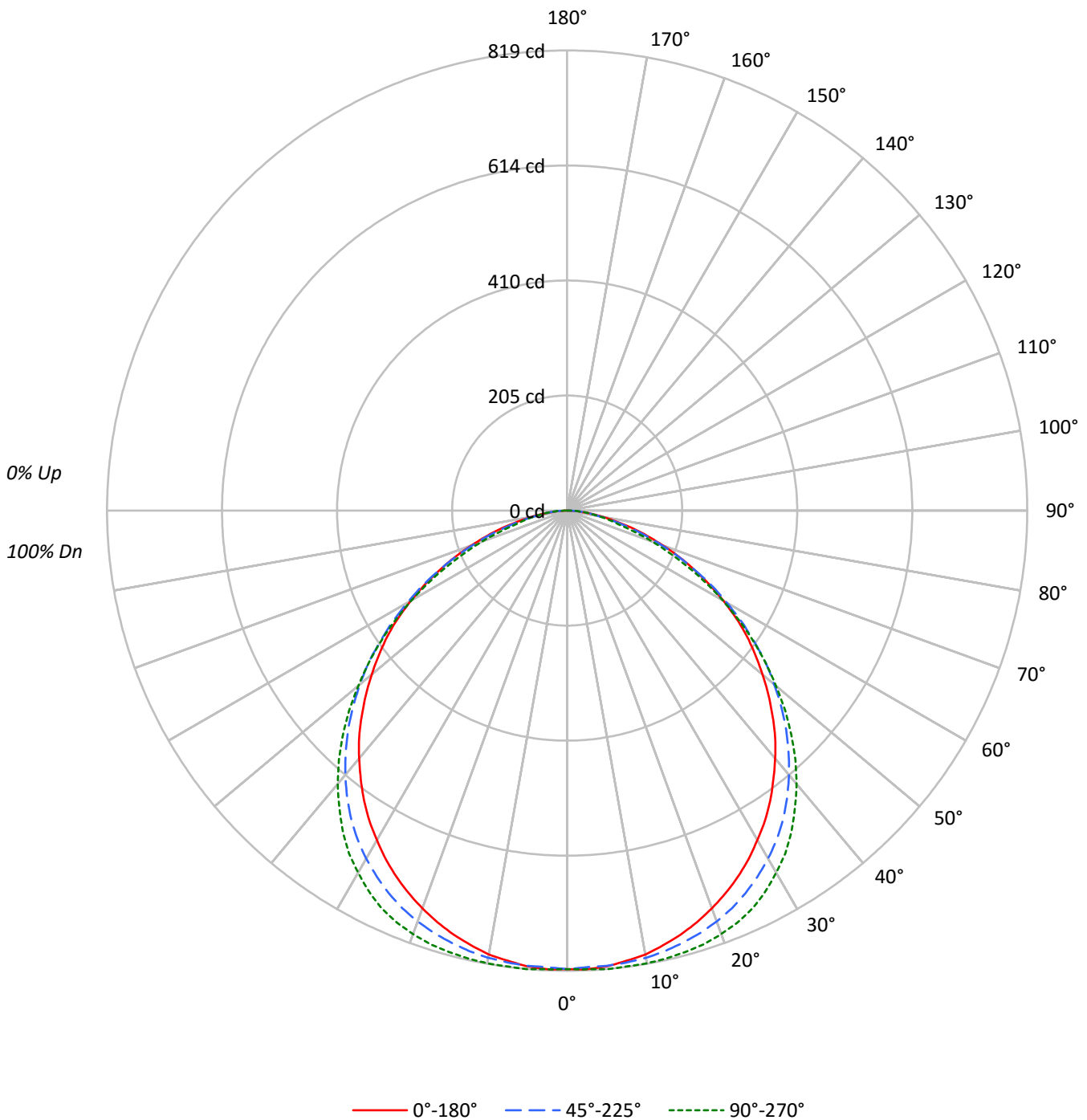
Input Watts (W): 24.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2196	2196	2196
5°	2199	2197	2213
10°	2192	2208	2236
15°	2176	2218	2265
20°	2157	2229	2297
25°	2135	2230	2320
30°	2104	2222	2312
35°	2070	2202	2287
40°	2024	2158	2231
45°	1968	2097	2147
50°	1901	2014	2031
55°	1835	1905	1896
60°	1728	1766	1723
65°	1592	1599	1510
70°	1424	1393	1267
75°	1237	1154	977
80°	992	899	899
85°	710	834	865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	3.5
10°-20°	225.3	10.1
20°-30°	346.0	15.4
30°-40°	416.7	18.6
40°-50°	421.0	18.8
50°-60°	359.1	16.0
60°-70°	245.9	11.0
70°-80°	118.6	5.3
80°-90°	30.6	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	648.9	29.0
0°-40°	1065.6	47.6
0°-60°	1845.8	82.4
0°-90°	2240.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2240.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	816	816	816	816	816	
5°	814	814	813	818	819	77
15°	781	787	796	810	813	220
25°	719	730	751	773	781	331
35°	630	644	670	691	696	394
45°	517	531	551	564	564	399
55°	391	398	406	408	404	348
65°	250	253	251	242	237	248
75°	119	119	111	98	94	126
85°	23	25	27	28	28	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	816.2	816.2	816.2	816.2	816.2
2.5°	817.2	816.2	813.2	817.2	817.2
5°	814.2	814.2	813.2	818.2	819.2
7.5°	808.2	810.2	811.2	817.2	818.2
10°	802.2	804.2	808.2	816.2	818.2
12.5°	792.2	796.2	803.2	814.2	816.2
15°	781.2	787.2	796.2	810.2	813.2
17.5°	768.2	776.2	788.2	804.2	809.2
20°	753.2	762.2	778.2	796.2	802.2
22.5°	737.2	747.2	766.2	787.2	793.2
25°	719.2	730.2	751.2	773.2	781.2
27.5°	699.2	711.2	734.2	757.2	764.2
30°	677.2	690.2	715.2	738.2	744.2
32.5°	655.2	668.2	694.2	716.2	723.2
35°	630.2	644.2	670.2	691.2	696.2
37.5°	603.2	617.2	643.2	664.2	666.2
40°	576.1	590.2	614.2	633.2	635.2
42.5°	548.1	561.1	583.2	599.2	601.2
45°	517.1	531.1	551.1	564.1	564.1
47.5°	486.1	500.1	517.1	526.1	526.1
50°	454.1	467.1	481.1	486.1	485.1
52.5°	422.1	434.1	446.1	447.1	445.1
55°	391.1	398.1	406.1	408.1	404.1
57.5°	357.1	363.1	368.1	365.1	362.1
60°	321.1	327.1	328.1	323.1	320.1
62.5°	286.1	291.1	291.1	283.1	278.1
65°	250.1	253.1	251.1	242.1	237.1
67.5°	216.1	218.1	214.1	205.1	197.1
70°	181.0	182.0	177.0	166.0	161.0
72.5°	149.0	150.0	144.0	131.0	125.0
75°	119.0	119.0	111.0	98.0	94.0
77.5°	89.0	92.0	83.0	76.0	76.0
80°	64.0	67.0	58.0	59.0	58.0
82.5°	42.0	45.0	42.0	42.0	42.0
85°	23.0	25.0	27.0	28.0	28.0
87.5°	7.0	12.0	13.0	14.0	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)